

- Chad-Friedman, E., Botdorf, M., Riggins, T., & Dougherty, L. R. (2021). Early childhood cumulative risk is associated with decreased global brain measures, cortical thickness, and cognitive functioning in school-age children. *Developmental Psychobiology*, *63*(2), 192–205. <https://doi.org/10.1002/dev.21956>
- Choi, J., Jeong, B., Polcari, A., Rohan, M. L., & Teicher, M. H. (2012). Reduced fractional anisotropy in the visual limbic pathway of young adults witnessing domestic violence in childhood. *NeuroImage*, *59*(2), 1071–1079.
- Cicchetti, D. (2016). Socioemotional, personality, and biological development: Illustrations from a multilevel developmental psychopathology perspective on child maltreatment. *Annual Review of Psychology*, *67*, 187-211. doi: 10.1146/annurev-psych-122414-033259
- Cicchetti, D., & Curtis, W. J. (2006). The developing brain and neural plasticity: Implications for normality, psychopathology, and resilience: Developmental neurosciences. In D. Cicchetti, & D. J. Cohen (Eds.), *Developmental psychopathology: Developmental neuroscience* (2 ed., Vol. 2, pp. 1-64). Wiley.
- Cicchetti, D., & Rogosch, F. A. (1996). Equifinality and multifinality in developmental psychopathology. *Development and Psychopathology*, *8*(4), 597–600.
- Cicchetti, D., Rogosch, F. A., Gunnar, M. R., & Toth, S. L. (2010). The differential impacts of early physical and sexual abuse and internalizing problems on daytime cortisol rhythm in school-aged children. *Child Development*, *81*(1), 252–269.
- Cicchetti, D., & Toth, S. L. (2015). Child maltreatment. In Lerner, R. M., & Lamb, M. E. (Eds.), *Handbook of child psychology and developmental science, Volume 3* (pp. 513-563). John Wiley & Sons, Inc.
- Dale, A. M., Fischl, B., & Sereno, M. I. (1999). Cortical surface-based analysis. *NeuroImage*, *9*(2), 179–194.

- De Bellis, M. D., Keshavan, M. S., Shifflett, H., Iyengar, S., Dahl, R. E., Axelson, D. A., ... Ryan, N. D. (2002). Superior temporal gyrus volumes in pediatric generalized anxiety disorder. *Biological Psychiatry*, *51*(7), 553–562.
- De Brito, S. A., Viding, E., Sebastian, C. L., Kelly, P. A., Mechelli, A., Maris, H., & McCrory, E. J. (2013). Reduced orbitofrontal and temporal grey matter in a community sample of maltreated children. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, *54*(1), 105–112.
- Derogatis, L. R. (1975). *Brief Symptom Inventory*. Clinical Psychometric Research.
- Dobbing, J., & Sands, J. (1973). Quantitative growth and development of human brain. *Archives of Disease in Childhood*, *48*(10), 757–767.
- Drevets, W. C., Price, J. L., & Furey, M. L. (2008). Brain structural and functional abnormalities in mood disorders: Implications for neurocircuitry models of depression. *Brain Structure and Function*, *213*(1–2), 93–118.
- Dubois-Comtois, K., Moss, E., Cyr, C., & Pascuzzo, K. (2013). Behavior problems in middle childhood: The predictive role of maternal distress, Child attachment, and mother-child interactions. *Journal of Abnormal Child Psychology*, *41*(8), 1311–1324.
- Ducharme, S., Albaugh, M. D., Hudziak, J. J., Botteron, K. N., Nguyen, T. V., Truong, C., ... Karama, S. (2014). Anxious/depressed symptoms are linked to right ventromedial prefrontal cortical thickness maturation in healthy children and young adults. *Cerebral Cortex*, *24*(11), 2941–2950.
- Fischl, B., & Dale, A. M. (2000). Measuring the thickness of the human cerebral cortex from magnetic resonance images. *Proceedings of the National Academy of Sciences of the United States of America*, *97*(20), 11050–11055.

- Fischl, B., Van Der Kouwe, A., Destrieux, C., Halgren, E., Ségonne, F., Salat, D. H., ... Dale, A. M. (2004). Automatically parcellating the human cerebral cortex. *Cerebral Cortex*, *14*(1), 11–22.
- Fischl, Bruce, Salat, D. H., Busa, E., Albert, M., Dieterich, M., Haselgrove, C., ... Dale, A. M. (2002). Whole brain segmentation: Automated labeling of neuroanatomical structures in the human brain. *Neuron*, *33*(3), 341–355.
- Feurer, C., Suor, J. H., Jimmy, J., Klumpp, H., Monk, C. S., Phan, K. L., & Burkhouse, K. L. (2020). Differences in cortical thinning across development among individuals with and without anxiety disorders. *Depression and Anxiety*, *10.1002/da.23096*. Advance online publication. <https://doi.org/10.1002/da.23096>
- Frizzo, G. B., Pedrini, J. R., Souza, D. S., Bandeira, D. R., & Borsa, J. C. (2015). Reliability of Child Behavior Checklist and Teacher's Report Form in a sample of Brazilian children. *Universitas Psychologica*, *14*(1), 149-156. <http://dx.doi.org/10.11144/Javeriana.upsy14-1.rcbc>
- Gee, D. G., Humphreys, K. L., Flannery, J., Goff, B., Telzer, E. H., Shapiro, M., ... Tottenham, N. (2013). A developmental shift from positive to negative connectivity in human amygdala-prefrontal circuitry. *Journal of Neuroscience*, *33*(10), 4584–4593.
- Gogolla, N. (2017). The insular cortex. *Current Biology*, *27*(12), R580–R586. <https://doi.org/10.1016/j.cub.2017.05.010>
- Gogtay, N., Giedd, J. N., Lusk, L., Hayashi, K. M., Greenstein, D., Vaituzis, A. C., ... Thompson, P. M. (2004). Dynamic mapping of human cortical development during childhood through early adulthood. *Proceedings of the National Academy of Sciences*, *101*(21), 8174–8179.

Gold, A. L., Sheridan, M. A., Peverill, M., Busso, D. S., Lambert, H. K., Alves, S., ...

McLaughlin, K. A. (2016). Childhood abuse and reduced cortical thickness in brain regions involved in emotional processing. *Journal of Child Psychology and Psychiatry*, *57*(10), 1154–1164.

Gold, A. L., Steuber, E. R., White, L. K., Pacheco, J., Sachs, J. F., Pagliaccio, D., ... Pine, D. S.

(2017). Cortical thickness and subcortical gray matter volume in pediatric anxiety disorders. *Neuropsychopharmacology*, *42*(12), 2423–2433.

Gorka, A. X., Hanson, J. L., Radtke, S. R., & Hariri, A. R. (2014). Reduced hippocampal and

medial prefrontal gray matter mediate the association between reported childhood maltreatment and trait anxiety in adulthood and predict sensitivity to future life stress. *Biology of Mood and Anxiety Disorders*, *4*(1), 1–10.

Grasby, K. L., Jahanshad, N., Painter, J. N., Colodro-Conde, L., Bralten, J., Hibar, D. P., Lind, P.

A., Pizzagalli, F., Ching, C., McMahon, M., Shatikhina, N., Zsembik, L., Thomopoulos, S. I., Zhu, A. H., Strike, L. T., Agartz, I., Alhusaini, S., Almeida, M., Alnæs, D., Amlien, I. K., ... Enhancing NeuroImaging Genetics through Meta-Analysis Consortium (ENIGMA)—Genetics working group (2020). The genetic architecture of the human cerebral cortex. *Science*, *367*(6484), eaay6690. <https://doi.org/10.1126/science.aay6690>

Hagler, D. J., Saygin, A. P., Sereno, M. I. (2006). Smoothing and cluster thresholding for cortical surface-based group analysis of fMRI data. *NeuroImage*, *33*(4), 1093-1103.

Hanson, J. L., Adluru, N., Chung, M. K., Alexander, A. L., Davidson, R. J., & Pollak, S. D.

(2013). Early neglect is associated with alterations in white matter integrity and cognitive functioning. *Child Development*, *84*(5), 1566–1578.

- Hegarty, C. E., Foland-Ross, L. C., Narr, K. L., Townsend, J. D., Bookheimer, S. Y., Thompson, P. M., & Altshuler, L. L. (2012). Anterior cingulate activation relates to local cortical thickness. *NeuroReport*, *23*(7), 420–424.
- Herringa, R. J., Birn, R. M., Ruttle, P. L., Burghy, C. A., Stodola, D. E., Davidson, R. J., & Essex, M. J. (2013). Childhood maltreatment is associated with altered fear circuitry and increased internalizing symptoms by late adolescence. *Proceedings of the National Academy of Sciences of the United States of America*, *110*(47), 19119–19124.
- Herringa, R. J., Burghy, C. A., Stodola, D. E., Fox, M. E., Davidson, R. J., & Essex, M. J. (2016). Enhanced prefrontal-amygdala connectivity following childhood adversity as a protective mechanism against internalizing in adolescence. *Biological Psychiatry. Cognitive Neuroscience and Neuroimaging*, *1*(4), 326–334.
<https://doi.org/10.1016/j.bpsc.2016.03.003>
- Herzberg, M. P., Hodel, A. S., Cowell, R. A., Hunt, R. H., Gunnar, M. R., & Thomas, K. M. (2018). Risk taking, decision-making, and brain volume in youth adopted internationally from institutional care. *Neuropsychologia*, *119*, 262–270.
<https://doi.org/10.1016/j.neuropsychologia.2018.08.022>
- Hodel, A. S., Hunt, R. H., Cowell, R. A., Van Den Heuvel, S. E., Gunnar, M. R., & Thomas, K. M. (2015). Duration of early adversity and structural brain development in post-institutionalized adolescents. *NeuroImage*, *105*, 112–119.
<https://doi.org/10.1016/j.neuroimage.2014.10.020>
- Hofmann, S. G., Sawyer, A. T., Witt, A. A., & Oh, D. (2010). The effect of mindfulness-based therapy on anxiety and depression: A meta-analytic review. *Journal of Consulting and Clinical Psychology*, *78*(2), 169–183.

- Huang, H., Gundapuneedi, T., & Rao, U. (2012). White matter disruptions in adolescents exposed to childhood maltreatment and vulnerability to psychopathology. *Neuropsychopharmacology*, *37*(12), 2693–2701.
- Hussey, J. M., Marshall, J. M., English, D. J., Knight, E. D., Lau, A. S., Dubowitz, H., & Kotch, J. B. (2005). Defining maltreatment according to substantiation: distinction without a difference? *Child Abuse & Neglect*, *29*(5), 479–492.
<https://doi.org/10.1016/j.chiabu.2003.12.005>
- Jedd, K., Hunt, R. H., Cicchetti, D., Hunt, E., Cowell, R. A., Rogosch, F. A., ... Thomas, K. M. (2015). Long-term consequences of childhood maltreatment: Altered amygdala functional connectivity. *Development and Psychopathology*, *27*(4pt2), 1577–1589.
- Jensen, S. K., Dickie, E. W., Schwartz, D. H., Evans, C. J., Dumontheil, I., Paus, T., & Barker, E. D. (2015). Effect of early adversity and childhood internalizing symptoms on brain structure in young men. *JAMA Pediatrics*, *169*(10), 938–946.
<https://doi.org/10.1001/jamapediatrics.2015.1486>
- Keiley, M. K., Howe, T. R., Dodge, K. A., Bates, J. E., & Petti, G. S. (2001). The timing of child physical maltreatment: a cross-domain growth analysis of impact on adolescent externalizing and internalizing problems. *Development and Psychopathology*, *13*(4), 891–912.
- Kelly, P. A., Viding, E., Wallace, G. L., Schaer, M., De Brito, S. A., Robustelli, B., & McCrory, E. J. (2013). Cortical thickness, surface area, and gyrification abnormalities in children exposed to maltreatment: Neural markers of vulnerability? *Biological Psychiatry*, *74*(11), 845–852.

- Kendall, P.C. (2012). Anxiety disorders in youth. In P.C. Kendall (Ed.), *Child and adolescent therapy: Cognitive-behavioral procedures*, (pp. 143-189). New York, NY, US: Guilford Press.
- Kim, P., Evans, G. W., Angstadt, M., Ho, S. S., Sripada, C. S., Swain, J. E., Liberzon, I., & Phan, K. L. (2013). Effects of childhood poverty and chronic stress on emotion regulatory brain function in adulthood. *Proceedings of the National Academy of Sciences of the United States of America*, *110*(46), 18442–18447.
<https://doi.org/10.1073/pnas.1308240110>
- Kim, J. J., and Yoon, K. S. (1998). Stress: metaplastic effects in the hippocampus. *Trends in Neuroscience*, *21*, 505–509.
- Klapwijk, E. T., van de Kamp, F., van der Meulen, M., Peters, S., & Wierenga, L. M. (2019). Qoala-T: A supervised-learning tool for quality control of FreeSurfer segmented MRI data. *NeuroImage*, *189*(3), 116–129.
- Kok, R., Thijssen, S., Bakermans-Kranenburg, M. J., Jaddoe, V. W., Verhulst, F. C., White, T., van IJzendoorn, M. H., & Tiemeier, H. (2015). Normal variation in early parental sensitivity predicts child structural brain development. *Journal of the American Academy of Child and Adolescent Psychiatry*, *54*(10), 824–831.e1.
<https://doi.org/10.1016/j.jaac.2015.07.009>
- Kurth, F., Zilles, K., Fox, P. T., Laird, A. R., & Eickhoff, S. B. (2010). A link between the systems: functional differentiation and integration within the human insula revealed by meta-analysis. *Brain Structure and Function*, *214*, 519–534. doi: 10.1007/s00429-010-0255-z
- La Buissonnière-Ariza, V., Séguin, J. R., Nassim, M., Boivin, M., Pine, D. S., Lepore, F., ... Maheu, F. S. (2019). Chronic harsh parenting and anxiety associations with fear circuitry

- function in healthy adolescents: A preliminary study. *Biological Psychology*, *145*(March), 198–210.
- Lange, N. (2012). Total and regional brain volumes in a population-based normative sample from 4 to 18 Years: The NIH MRI Study of Normal Brain Development. *Cerebral Cortex*, *22*(1), 1–12.
- Lenroot, R. K., & Giedd, J. N. (2006). Brain development in children and adolescents: Insights from anatomical magnetic resonance imaging. *Neuroscience and Biobehavioral Reviews*, *30*(6), 718–729.
- LeWinn, K. Z., Sheridan, M. A., Keyes, K. M., Hamilton, A., & McLaughlin, K. A. (2017). Sample composition alters associations between age and brain structure. *Nature Communications*, *8*(1), 874.
- Li, G., Wang, L., Yap, P.-T., Wang, F., Wu, Z., Meng, Y., ... Shen, D. (2019). Computational neuroanatomy of baby brains: A review. *NeuroImage*, *185*(February), 906–925.
- Liberzon, I., Ma, S. T., Okada, G., Ho, S. S., Swain, J. E., & Evans, G. W. (2015). Childhood poverty and recruitment of adult emotion regulatory neurocircuitry. *Social Cognitive and Affective Neuroscience*, *10*(11), 1596–1606. <https://doi.org/10.1093/scan/nsv045>
- Lim, L., Radua, J., & Rubia, K. (2014). Gray matter abnormalities in childhood maltreatment: A voxelwise metaanalysis. *American Journal of Psychiatry*, *171*(8), 854–863.
- Lupien, S. J., Leon, M. De, Santi, S. De, Convit, A., Tarshish, C., Thakur, M., ... Meaney, M. J. (1998). Cortisol levels during human aging predict hippocampal atrophy and memory deficits. *Nature Neuroscience*, *1*(1), 69–73.
- Marsh, R., Gerber, A. J., & Peterson, B. S. (2008). Neuroimaging studies of normal brain development and their relevance for understanding childhood neuropsychiatric disorders.

- Journal of the American Academy of Child and Adolescent Psychiatry*, 47(11), 1233–1251.
- Masten, A. S., & Cicchetti, D. (2010). Developmental cascades. *Development and Psychopathology*, 22, 491–495. doi:10.1017/S0954579410000222
- Mattison, R. E., & Spitznagel, E. L. (1999). Long-term stability of Child Behavior Checklist profile types in a child psychiatric clinic population. *Journal of the American Academy of Child and Adolescent Psychiatry*, 38(6), 700–707. <https://doi.org/10.1097/00004583-199906000-00017>
- McElroy, E., Belsky, J., Carragher, N., Fearon, P., & Patalay, P. (2018). Developmental stability of general and specific factors of psychopathology from early childhood to adolescence: dynamic mutualism or p-differentiation? *Journal of Child Psychology and Psychiatry, and Allied Disciplines*, 59(6), 667–675. <https://doi.org/10.1111/jcpp.12849>
- McEwen, B. S., Nasca, C., & Gray, J. D. (2016). Stress effects on neuronal structure: Hippocampus, amygdala, and prefrontal cortex. *Neuropsychopharmacology*, 41(1), 3–23.
- McLaughlin, K. A., Sheridan, M. A., & Lambert, H. K. (2014). Childhood adversity and neural development: Deprivation and threat as distinct dimensions of early experience. *Neuroscience & Biobehavioral Reviews*, 47(2), 578–591.
- McLaughlin, K. A., Sheridan, M. A., Winter, W., Fox, N. A., Zeanah, C. H., & Nelson, C. A. (2014). Widespread reductions in cortical thickness following severe early-life deprivation: A neurodevelopmental pathway to attention-deficit/hyperactivity disorder. *Biological Psychiatry*, 76(8), 629–638.
- McLaughlin, K. A., Weissman, D., & Bitrán, D. (2019). Childhood adversity and neural development: A systematic review. *Annual Review of Developmental Psychology*, 1, 277–312.

- Mehta, M. A., Golembo, N. I., Nosarti, C., Colvert, E., Mota, A., Williams, S. C. R., ... Sonuga-Barke, E. J. S. (2009). Amygdala, hippocampal and corpus callosum size following severe early institutional deprivation: the English and Romanian Adoptees study pilot. *Journal of Child Psychology and Psychiatry, and Allied Disciplines*, *50*(8), 943–951.
- Miller, D. J., Duka, T., Stimpson, C. D., Schapiro, S. J., Baze, W. B., McArthur, M. J., ... Sherwood, C. C. (2012). Prolonged myelination in human neocortical evolution. *Proceedings of the National Academy of Sciences*, *109*(41), 16480–16485.
- Miller, G. A., & Chapman, J. P. (2001). Misunderstanding analysis of covariance. *Journal of Abnormal Psychology*, *110*(1), 40–48.
- Mills, K. L., Goddings, A. L., Herting, M. M., Meuwese, R., Blakemore, S. J., Crone, E. A., ... Tamnes, C. K. (2016). Structural brain development between childhood and adulthood: Convergence across four longitudinal samples. *NeuroImage*, *141*, 273–281.
- Molet, J., Maras, P. M., Kinney-Lang, E., Harris, N. G., Rashid, F., Ivy, A. S., ... Baram, T. Z. (2016). MRI uncovers disrupted hippocampal microstructure that underlies memory impairments after early-life adversity. *Hippocampus*, *26*(12), 1618–1632.
- Nanni, V., Uher, R., & Danese, A. (2012). Childhood maltreatment predicts unfavorable course of illness and treatment outcome in depression: A meta-analysis. *American Journal of Psychiatry*, *169*, 141–151. doi:10.1176/appi.ajp.2011.11020335
- Neil, A. L., & Christensen, H. (2009). Efficacy and effectiveness of school-based prevention and early intervention programs for anxiety. *Clinical Psychology Review*, *29*(3), 208–215. doi:10.1016/j.cpr.2009.01.002
- Newman, L., Sivaratnam, C., & Komiti, A. (2015). Attachment and early brain development – neuroprotective interventions in infant–caregiver therapy. *Translational Developmental Psychiatry*, *3*(1), 28647.

- Newman, E., Thompson, W. K., Bartsch, H., Hagler, D. J., Jr, Chen, C. H., Brown, T. T., Kuperman, J. M., McCabe, C., Chung, Y., Libiger, O., Akshoomoff, N., Bloss, C. S., Casey, B. J., Chang, L., Ernst, T. M., Frazier, J. A., Gruen, J. R., Kennedy, D. N., Murray, S. S., Sowell, E. R., ... Jernigan, T. L. (2016). Anxiety is related to indices of cortical maturation in typically developing children and adolescents. *Brain Structure and Function*, 221(6), 3013–3025. <https://doi.org/10.1007/s00429-015-1085-9>
- Panizzon, M. S., Fennema-Notestine, C., Eyler, L. T., Jernigan, T. L., Prom-Wormley, E., Neale, M., Jacobson, K., Lyons, M. J., Grant, M. D., Franz, C. E., Xian, H., Tsuang, M., Fischl, B., Seidman, L., Dale, A., & Kremen, W. S. (2009). Distinct genetic influences on cortical surface area and cortical thickness. *Cerebral Cortex*, 19(11), 2728–2735. <https://doi.org/10.1093/cercor/bhp026>
- Paus, T., Keshavan, M., & Giedd, J. N. (2008). Why do many psychiatric disorders emerge during adolescence? *Nature Reviews Neuroscience*, 9(12), 947–957.
- Prasad, K. M., Goradia, D., Eack, S., Rajagopalan, M., Nutche, J., Magge, T., Rajarethinam, R., & Keshavan, M. S. (2010). Cortical surface characteristics among offspring of schizophrenia subjects. *Schizophrenia Research*, 116(2-3), 143–151. <https://doi.org/10.1016/j.schres.2009.11.003>
- Qi, H., Ning, Y., Li, J., Guo, S., Chi, M., Gao, M., Guo, Y., Yang, Y., Peng, H., & Wu, K. (2014). Gray matter volume abnormalities in depressive patients with and without anxiety disorders. *Medicine*, 93(29), e345. <https://doi.org/10.1097/MD.0000000000000345>
- R Core Team (2019). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing, Vienna, Austria. URL <https://www.R-project.org/>.
- Rifkin-Graboi, A., Kong, L., Sim, L. W., Sanmugam, S., Broekman, B. F., Chen, H., Wong, E., Kwek, K., Saw, S. M., Chong, Y. S., Gluckman, P. D., Fortier, M. V., Pederson, D.,

- Meaney, M. J., & Qiu, A. (2015). Maternal sensitivity, infant limbic structure volume and functional connectivity: a preliminary study. *Translational Psychiatry*, 5(10), e668.
<https://doi.org/10.1038/tp.2015.133>
- Rosso, I. M., Makris, N., Britton, J. C., Price, L. M., Gold, A. L., Zai, D., Bruyere, J., Deckersbach, T., Killgore, W. D., & Rauch, S. L. (2010). Anxiety sensitivity correlates with two indices of right anterior insula structure in specific animal phobia. *Depression and Anxiety*, 27(12), 1104–1110. <https://doi.org/10.1002/da.20765>
- Sapolsky, R. M. (1996). Stress, glucocorticoids, and damage to the nervous system: the current state of confusion. *Stress* 1, 1–19.
- Schwartz, C. E., Kunwar, P. S., Greve, D. N., Kagan, J., Snidman, N. C., & Bloch, R. B. (2012). A phenotype of early infancy predicts reactivity of the amygdala in male adults. *Molecular Psychiatry*, 17(10), 1042–1050.
- Seligman, L. D., & Ollendick, T. H. (2011). Cognitive-behavioral therapy for anxiety disorders in youth. *Child and Adolescent Psychiatric Clinics of North America*, 20(2), 217–238.
<https://doi.org/10.1016/j.chc.2011.01.003>
- Semple, R. J., & Lee, J. (2007). *Mindfulness-based cognitive therapy for anxious children: A manual for treating childhood anxiety*. New Harbinger Publications.
- Smith, S. M., Nichols, T. E., Vidaurre, D., Winkler, A. M., Behrens, T. E., Glasser, M. F., Ugurbil, K., Barch, D. M., Van Essen, D. C., & Miller, K. L. (2015). A positive-negative mode of population covariation links brain connectivity, demographics and behavior. *Nature Neuroscience*, 18(11), 1565–1567. <https://doi.org/10.1038/nn.4125>
- Stiles, J., & Jernigan, T. L. (2010). The basics of brain development. *Neuropsychology Review*, 20(4), 327–348.

Strawn, J. R., Hamm, L., Fitzgerald, D. A., Fitzgerald, K. D., Monk, C. S., & Phan, K. L. (2015).

Neurostructural abnormalities in pediatric anxiety disorders. *Journal of Anxiety Disorders, 32*, 81–88.

Strawn, J. R., John, W. C., Dominick, K. C., Swartz, M. S., Wehry, A. M., Patino, L. R., ...

DelBello, M. P. (2014). Cortical surface anatomy in pediatric patients with generalized anxiety disorder. *Journal of Anxiety Disorders, 28*, 717–723.

Strawn, J. R., Wehry, A. M., Chu, W. J., Adler, C. M., Eliassen, J. C., Cerullo, M. A.,

Strakowski, S. M., & DelBello, M. P. (2013). Neuroanatomic abnormalities in adolescents with generalized anxiety disorder: a voxel-based morphometry study. *Depression and Anxiety, 30*, 842–848.

Taylor, B. K., Eastman, J. A., Frenzel, M. R., Embury, C. M., Wang, Y. P., Stephen, J. M.,

Calhoun, V. D., Badura-Brack, A. S., & Wilson, T. W. (2020). Subclinical anxiety and posttraumatic stress influence cortical thinning during adolescence. *Journal of the American Academy of Child and Adolescent Psychiatry*, S0890-8567(20)32216-4. Advance online publication. <https://doi.org/10.1016/j.jaac.2020.11.020>

Tierney, A. L., & Nelson, C. A. (2009). Brain development and the role of experience in the early years. *Zero to Three, 30*(2), 9–13.

Tozzi, L., Garczarek, L., Janowitz, D., Stein, D. J., Wittfeld, K., Dobrowolny, H., ... Frodl, T.

(2019). Interactive impact of childhood maltreatment, depression, and age on cortical brain structure: mega-analytic findings from a large multi-site cohort. *Psychological Medicine, 1*–12.

Valadez, E. A., Tottenham, N., Tabachnick, A. R., & Dozier, M. (2020). Early parenting

intervention effects on brain responses to maternal cues among high-risk children. *The*

American Journal of Psychiatry, 177(9), 818–826.

<https://doi.org/10.1176/appi.ajp.2020.20010011>

VanTieghem, M., Korom, M., Flannery, J., Choy, T., Caldera, C., Humphreys, K. L., Gabard-Durnam, L., Goff, B., Gee, D. G., Telzer, E. H., Shapiro, M., Louie, J. Y., Fareri, D. S., Bolger, N., & Tottenham, N. (2021). Longitudinal changes in amygdala, hippocampus and cortisol development following early caregiving adversity. *Developmental Cognitive Neuroscience*, 48, 100916. <https://doi.org/10.1016/j.dcn.2021.100916>

Verhulst, F. C., & Van der Ende, J. (1995). The eight-year stability of problem behavior in an epidemiologic sample. *Pediatric Research*, 38(4), 612–617.

<https://doi.org/10.1203/00006450-199510000-00023>

Vidal-Pineiro, D., Parker, N., Shin, J., French, L., Jackowski, A. P., ... Mowinckel, A. M.

(2019). Cellular correlates of cortical thinning throughout the lifespan. *BioRxiv*, 585786.

Vuoksima, E., Panizzon, M. S., Chen, C. H., Fiecas, M., Eyler, L. T., Fennema-Notestine, C., Hagler, D. J., Fischl, B., Franz, C. E., Jak, A., Lyons, M. J., Neale, M. C., Rinker, D. A., Thompson, W. K., Tsuang, M. T., Dale, A. M., & Kremen, W. S. (2015). The genetic association between neocortical volume and general cognitive ability is driven by global surface area rather than thickness. *Cerebral Cortex*, 25(8), 2127–2137.

<https://doi.org/10.1093/cercor/bhu018>

Wiik, K. L., Loman, M. M., Van Ryzin, M. J., Armstrong, J. M., Essex, M. J., Pollak, S. D., & Gunnar, M. R. (2011). Behavioral and emotional symptoms of post-institutionalized children in middle childhood. *Journal of Child Psychology and Psychiatry*, 52(1), 56–63.

Winkler, A. M., Kochunov, P., Blangero, J., Almasy, L., Zilles, K., Fox, P. T., Duggirala, R., & Glahn, D. C. (2010). Cortical thickness or grey matter volume? The importance of

selecting the phenotype for imaging genetics studies. *NeuroImage*, 53(3), 1135–1146.

<https://doi.org/10.1016/j.neuroimage.2009.12.028>

Winkler, A. M., Sabuncu, M. R., Yeo, B. T., Fischl, B., Greve, D. N., Kochunov, P., Nichols, T. E., Blangero, J., & Glahn, D. C. (2012). Measuring and comparing brain cortical surface area and other areal quantities. *NeuroImage*, 61(4), 1428–1443.

<https://doi.org/10.1016/j.neuroimage.2012.03.026>

Zhang, X., Luo, Q., Wang, S., Qiu, L., Pan, N., Kuang, W., Lui, S., Huang, X., Yang, X., Kemp, G. J., & Gong, Q. (2020). Dissociations in cortical thickness and surface area in non-comorbid never-treated patients with social anxiety disorder. *EBioMedicine*, 58, 102910.

<https://doi.org/10.1016/j.ebiom.2020.102910>

Table legends

Table 1. Sociodemographic and Developmental Characteristics of High- and Low-risk Children (n = 70)

Table 2. Left and Right Hemisphere Cluster Characteristics for the Clusters that Survived Multiple Comparisons Correction.

Table 3. Simple Slopes Results for the Interactions Between Anxious/Depressive Outcomes and Cortical Thickness in the High and the Low-risk Group.

Table 4. Significant Main Effects of CBCL Anxious/Depressed Symptoms and Risk Status on Pial Surface Area.

Figure legends

Figure 1. Significant risk status by CBCL A/D symptoms interactions on CT on the group average brain, following Monte Carlo multiple comparison corrections in both hemispheres. Greater A/D symptoms were associated with decreasing CT among the high-risk group and increasing CT in the low-risk group. The model controlled for age, sex, and image quality. The scatter plots are prototypical associations that were similar across all the clusters. RH – Right hemisphere; LH – Left hemisphere; A – RH Precentral Cortex (including areas of the superior frontal-, paracentral-, caudal middle frontal-, rostral middle frontal-, pars triangularis-, rostral middle frontal-, pars opercularis-, and postcentral cortex); B – RH Superior Parietal Cortex (including areas of the precuneus, lateral occipital-, and inferior parietal cortex); C – RH Pericalcarine Cortex (including areas of the lateral occipital-, lingual and fusiform cortex); D – LH Precentral Cortex (including areas of the caudal middle frontal-, and rostral middle frontal

cortex); E – LH Superior Frontal Cortex (including areas of rostral middle frontal, medial orbitofrontal, rostral anterior cingulate, and caudal anterior cingulate cortex); F – LH Pericalcarine Cortex (including areas lingual and lateral occipital cortex); G – LH Superior Parietal Cortex (including areas of the postcentral-, inferior parietal-, and lateral occipital cortex); H – LH Transverse Temporal Cortex (including areas of the insula, superior temporal and transverse temporal cortex); I – LH Superior Frontal Cortex (including areas of the paracentral-, precuneus, and posterior cingulate cortex);

Figure 2. Significant pial surface area outcomes. 2A – Significant main effect of risk status on right hemisphere caudal middle frontal region surface area on the inflated brain surface and the distribution plot of individual average surface area outcomes (the error bars represent +/- 3 standard deviations). 2B – Significant main effect of CBCL A/D scores on insular cortex SA on the inflated brain surface. The scatter plot depicts the positive association between the CBCL A/D scores and SA. Both models controlled for age, sex, and image quality.